

6/10 kV

XLPE INSULATED SINGLE- CORE LONGITUDINALLY WATER -TIGHT POWER CABLE



N2XS(FL)2Y (VDE) Cu/XLPE/CWS/LW/PE(IEC)

Code	N2XS(FL)2Y (VDE), Cu/XLPE/CWS/LW/PE (IEC)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive swelling tape, copper wires screen, copper tape, swelling tape, Aluminium tape, PE outer sheath.
Application	Cables with very low dielectric losses are use with sudden load changes Networks and short-circuit currents in large residential and industrial areas, cable troughs, under the earth and the air. If the water enter the cables with mechanical effects, swelling tape acting as a holder prevents movement of the water.
Technical Datas	Max. operating temperature 90 °C Max. permissible short circuit temperature 250 °C, Max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 °C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 °C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
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1x25/16 rm	24,0	700	1000	140	0,727	0,78	0,45	0,20	182	109	150	183
1x35/16 rm	25,0	800	1000	140	0,524	0,75	0,43	0,22	200	166	238	198
1x50/16 rm	26,0	900	1000	140	0,387	0,73	0,41	0,24	240	196	286	238
1x70/16 rm	27,0	1125	1000	160	0,268	0,69	0,38	0,28	300	239	356	296
1x95/16 rm	29,0	1400	1000	160	0,193	0,66	0,36	0,32	360	285	434	361
1x120/16 rm	31,0	1650	1000	160	0,153	0,64	0,35	0,35	420	323	500	417
1x150/25 rm	33,0	2100	1000	160	0,124	0,62	0,34	0,38	475	361	559	473
1x185/25 rm	35,0	2400	1000	160	0,0991	0,61	0,33	0,41	542	406	637	543
1x240/25 rm	37,0	3000	1000	180	0,0754	0,58	0,32	0,46	590	469	745	641
1x300/25 rm	39,0	3650	1000	200	0,0601	0,56	0,31	0,50	620	526	846	735
1x400/35 rm	43,0	4600	1000	220	0,0470	0,55	0,30	0,57	670	590	938	845
1x500/35 rm	46,0	5600	500	160	0,0366	0,53	0,29	0,63	770	739	1006	950
1x630/35 rm	50,0	7200	500	200	0,0283	0,51	0,28	0,70	850	818	1130	1040

rm:Stranded conductor